

Listing of Claims and Amendments thereto:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Previously Presented) A method for testing a battery pack of an electric or hybrid vehicle, the battery pack having a plurality of batteries, comprising:
 - measuring a first parameter of a battery in the battery pack;
 - determining an average of first parameter values of the remaining batteries in the battery pack, the average first parameter value for remaining batteries changing depending on which battery of the battery pack is being tested at a given instant;
 - comparing the measured first parameter value to the average to obtain a result;
 - outputting an alert signal if the result is not within a given range, else
 - storing the result of the comparison,
 - the measuring, determining, comparing and outputting or storing repeated until each battery in the battery pack has been tested.
2. (Original) The method of claim 1, wherein the first parameter is battery conductance.
3. (Original) The method of claim 1, wherein the first parameter is battery impedance.
4. (Canceled)
5. (Canceled)
6. (Original) The method of claim 1, wherein the alert signal is an audible signal.
7. (Original) The method of claim 1, wherein the alert signal is a visual signal.
8. (Original) The method of claim 7, wherein the visual signal includes a light.

9. (Original) The method of claim 7, wherein the visual signal is shown on a display screen.

10. (Currently Amended) A battery management system for managing a battery pack of an electric or hybrid vehicle, the battery pack including a plurality of batteries, comprising:

a first interface component in electrical communication with the battery pack for receiving a first parameter of each battery in the battery pack;

a second interface component in selective electrical communication with the first interface component;

a processor in electrical communication with the second interface component via a circuit, the circuit measuring the first parameter of one of the batteries in the battery pack, the processor determining an average of first parameter values of the remaining batteries in the battery pack, the average first parameter value for remaining batteries changing depending on which battery of the battery pack is being tested at a given instant, and the processor comparing the measured first parameter value received from the circuit to the average to obtain a result; and

an output device signaling an operator if the result is outside a given range, else

a memory storing the result.

11. (Original) The battery management system of claim 10, wherein the first parameter is battery conductance.

12. (Original) The battery management system of claim 10, wherein the first parameter is battery impedance.

13. (Canceled)

14. (Canceled)

15. (Previously Presented) The battery management system of claim 10, further comprising an input device operatively connected to the processor, the input device configured as at least one of a keyboard, keypad and touch screen.

16. (Canceled)

17. (Canceled)

18. (Original) The battery management system of claim 10, wherein the battery management system is selectively in communication with a computer unit.

19. (Original) The battery management system of claim 10, wherein the battery management system is selectively in communication with a network.

20-27 (Canceled)